M. A. R. 57 (Rule 116)
Measurement Book

No. B 494072

Name of Work: Provisional Bill

From ..... To .....

Name of Contractor or nature of Agency: Sri. Gopinath Reddy, Hebbal Divn-3

Date of Commencement of work: D.O.R.

Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
2	3	4	5	6	7	8
Name of work: Drilling of Borewell, providing and installing pump motor and other accessory at Nirupashapura, Doddaboom Mavanuru, Thindlu Mahyaranyapura area in ward no. 09 Mahyaranyapura sub-Divn						
Est. cost Rs: Rs 10 lakhs.						
Head of A/c: P150A,						
Job code no: 009-20-00001/14						
Work order No: BBMP/EE/BTP/W01/60/2020-21 Dt: 30/12/2020.						
AS no: ASI EE(BTP)127/20-21 Dt: 20/03/21						
TS no: TS/CE(yth)/37/20-21 Dt: 27/03/20						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
Item No 1)	Geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation cigher through the hand pump mks. of P.W.S.S. by vertical electrical sounding by adopting Verner or Schlumbergers method including reconnaissance survey of geological formation, Geophysical investigation of existing Ground water in the vicinity, its quality & acceptability of the user indicating the best of site, recommended depth of casing pipe required to seal the top unconsolidate formation including an extra depth of 1.0m for ES...						
	Quantity vide Emb. P. No	=	4 Each				
	@ Rs. 3448.00/Each					= 13792.00	

Contents	Reference to last Measurement
7	8
...for supplying ...pump, mbs. ...veneer of ...geological ...water in ...indicating the ...required to seal ...of 1.0mtr etc.—	
	= 13792.00

M. A. R. 57 (Rule 116)
Measurement Book

No. B 494073

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
2	3	4	5	6	7	8
...boring bore well of 165mm dia clear using super-fast hydraulic rig of capacity ...and above CFM and above in all strata including bore blow up to ...drilling of casing pipe, centres and cap with necessary casing, including ...including transporting of rig and supporting vehicles etc.—						
...including rise EMB P.ND				= 200 Rmt		
				@ Rs = 318.00/Rmt	=	63600.00
...including rise EMB P.ND	=			200 Rmt		
				@ Rs: 378/Rmt HDH/Rmt	=	8. 80800.00
...including rise EMB P.ND	=			200 Rmt @ Rs	417.00/Rmt	= 83400.00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
5)	150 to 200 mm thick quantity work done in mts p.rd			= 200 Rmtr @ Rs : 490/Rmtr		= 7800.00	
6)	200 to 250 mm thick quantity work done in mts p.rd			: 200 Rmtr @ Rs : 580/Rmtr		= 11600.00	
7)	250 to 300 mm thick quantity work done in mts p.rd			: 200mtr @ Rs : 641/Rmtr		= 12820.00	
8)	300 to 350 mm thick quantity work done in mts p.rd			= 200 Rmtr @ Rs : 755/Rmtr		= 15100.00	

OK

Depth 6	Contents 7	Reference to last Measurement 8
	=	78000.00
	=	11600.00
	=	12880.00
	=	15100.00

M. A. R. 57 (Rule 116)
Measurement Book

No. B

494074

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
	Number 3	Length 4	Breadth 5	Depth 6		
Supply of ISI mark 175 mm nominal bore, plain end steel casing pipe - grade of steel to suit 4.0 mm wall thickness 5.4 mm thick conforming to IS 4270: 2001 and latest amendment. Electric resistance welded steel tube material and conforming to IS 1387/1993 and manufacture by basic open hearth Electric furnace high ph 5 to 7 mm both ends etc...						
Welding nice cm RD P.no		= 300.00 Rmtr				
		@ Rs : 12.63.00 Rmtr			= 4041.60.00/-	
Providing 250 mm dia pre pipe & reflux etc...						
Welding nice cm RD P.no		= 78 Rmtr				
		@ Rs: 100.7 Rmtr			= 7850.4.00/-	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
item no.11)	providing and fixing borewell cap & clamp set etc ----						
	Quantity nine @ nos P.no			= 9 set			
	@ Rs : 1647/ set					=	6588.00/-
item no.12)	supply and delivery at site brand new tirumal/ indimal/ lubi/ Salsar/ Atalanta/ Calamal/ make suitable for vertical installation in 150mm dia bore well comprising of single stage or multistage CF pump close coupled by means of stainless steel coupling to suitable hp suitable speed etc --						
	Quantity nine @ nos P.no			= 4 nos			
	@ Rs = 58101.00/ nos					=	232404.00/-

Contents	Reference to last Measurement
7	8
=	6588.00
=	2324.00

M. A. R. 57 (Rule 116)
Measurement Book

No. B 494075

Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
2	3	4	5	6	7	8
C.I. pipe 50mm B class &c--						
Quantity vide E MB P.NO		= 1250 mm				
		@ Rs:	380/mm		=	4864.00
Heavy duty cocks 50mm dia &c---						
Quantity vide E MB P.NO		= 216 NOS				
		@ Rs:	165.00/NOS		=	3564.00
Horizontal non-return valve 50mm &c--						
Quantity vide E MB P.NO		= 4 NOS				
		@ Rs	= 1643/NOS		=	6588.00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
item 16)	Supplying and fixing out door panel up to 15 HP Etc---						
	Quantity vide C MB P.NO		= 4 NOS				
			@ Rs: 141631 NOS			=	56732.00
item 17)	Submersible cable 1X3X6.00 Sqmm Etc--						
	Quantity vide C MB P.NO		= 246MTR				
			@ Rs: 130/mtr			=	345460.00
item 18)	Labour charges of erection of new/repaired submersible pump set duly						
	with GI pipe (300/500mm) cable new submersible pump set if						
	required will be supplied Etc---						
	Quantity vide C MB	P.NO	=	216/keym			
			@ Rs:	80/-		=	17496.00

Contents	Reference to last Measurement
7	8
=	56732.00
=	345480.00
2	17496.00

M. A. R. 57 (Rule 116)
Measurement Book

No. B

No .....
of Work ..... From..... To.....
of Contractor of nature of Agency .....
of commencement of work .....

494076

Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
2	Number 3	Length 4	Breadth 5	Depth 6	7	8
Supplying and fixing 20" x 20" x 2.5" Pollshed wood board made of not less than 15 mm thick plank on both sides with planks made out of not more & pieces the same to the wall using tapered internal wooden plug screw etc—						
Quantity vide E MB P.NO			= 4 Each			
			e. Rs: 267 Each		=	1068.00/-
Supplying of 1.1 KV LT UG cable having aluminum conductor PVC insulated inner sheath galvanized steel strips etc—						
Quantity vide E MB	P.NO		= 136 mtr			
			e. Rs: 137/mtr		=	18632.00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
item no 21)	Labour charges for laying of 1.1kv class UG Cable in existing trench Gi Pipe/stoneware pipe/manhole/DI pipe as required. in existing trench etc --						
	Quantity vide EMB P.no		= 136mtr				
	@ Rs: 11.00/mtr					=	1496.00/-
item no 22)	Digging of trench of 0.6m dep x 0.50mtr wide refilling the trench to the required ground level and consolidating etc --						
	Quantity vide EMB P.no		= 120mtr				
	@ Rs: 70/mtr					=	8400.00
item no 23)	Supplying and fixing of class A (Medium duty) Gi pipe wall trench to the ground level and consolidating etc						
	Quantity vide EMB P.no		= 12mtr				
	@ Rs = 307/mtr					=	4912.00/-

BOOK

dth	Depth 6	Contents 7	Reference to last Measurement 8
		in existing trench	
		in existing trench etc.	
		=	1496.00/-
		the trench to	
		=	84 00.00
		wall trench	
	3x2/mtr	=	1912.00/-

M. A. R. 57 (Rule 116)
Measurement Book

No. B

494077

To.....

From.....

Name of Work .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
Supplying and fixing L.T Cast Iron pot head suitable for 1.1 kv class 4 Cable filled with necessary bitumen/insulating compound complete 4 lugs, bolts, nuts, and washers etc.						
Quantity vide MB P.No				= 4 Nos		
				@ Rs: 247/Nos	=	988.00/-
Supplying ~~and~~ fixing, wiring, earth electrode for ginvil conduit i.e. cutouts and other equipments on the metal board using 4mm ϕ 4 mm thick GI pipe 2.5mtr long buried in a pit etc.						
Quantity vide MB P.No				= 4 Nos		
				@ Rs: 274.5/Nos	=	1098.00/-

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
Item NO.26	Supplying & fixing of porcelain fuse channel with cut on existing wooden / panel using necessary nuts, bolts and washers etc--						
	Quantity vide E MB	P.No:	24 Nos				
		@ Rs	:	159/Nos		=	3816.00
Item NO.27	Supplying and fixing miniature circuit breakers on existing MCB distribution board using necessary fixing materials and 'C' Type curve, indicator on/off, energy cross -> with short circuit breaking capacity of 10K and complete wiring etc--						
	Quantity vide E MB	P.No	:	4Nos			
		@ Rs	:	1569/Nos		=	6276.00

Contents 7	Reference to last Measurement 8
...ut in existing ...ings etc--	
=	3816.00
...n existing ...ilet/bay area ...s with shutt... ...e with etc--	
=	6876.00

M. A. R. 57 (Rule 116)
Measurement Book

No. B
494078

No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
Fabricating supplying and mounting MS bkt made out of SWG Suitable size 1 way mounting, fly weather proof with provision for heat dissipation, etc--						
Quantity vide ℄ MB P.no		= 936.00 Sqcm				
		℄ Rs 0.30/Sqcm			=	280.80
Earthwork excavation for pipeline trenches including depositing of banks up to a lead of 50mtr including shifting & Stacking clayey upto 1.5 mtr and using site soils etc--						
Quantity vide ℄ MB P.no		= 3312.00 cum				
		℄ Rs = 2.40/cum			=	7948.80

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
Item NO 30)	printing and installation at site of WOTS P.V.C. pipes including cost of pipes and specials and including lowering into trenches, laying true to line, level and perfect union at joints, etc — Quantity vide E MB P.NO = 980 Rmtr @ Rs = 189/Rmtr					=	185220.00
Item NO 31)	Filling the foundations trench using approved sand as per drawing and technical specifications in 450mm layers etc — Quantity vide E MB P.NO = 138 cum @ Rs = 4968/cum					=	685824.00

Contents 7	Reference to last Measurement 8
...uating upto ... ...ing, laying true	
=	17388.00/-
...ed quantity	
=	406824.00

M. A. R. 57 (Rule 116)
Measurement Book

No. B 494079

...g No. .....
...e of Work ..... From..... To.....
...e of Contractor of nature of Agency .....
...e of commencement of work .....

Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
Refilling the basement and pipeline trenches with selected available earth from trench excavation including watering etc—						
Quantity vide MB P.No = 193.00 cum @ Rs: 94/cum					=	18161.00/-
providing Gate valve 80mm etc—						
Quantity vide MB P.No = 40 Nos @ Rs: 1647/Nos					=	65880.00/-

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
				Total Amount Rs =			3,39,539.00
				GST @ 6% =			3,89,914.00
	Bescom Deposit charges 9140+800+1730 = 10970					1 x 10970	= 13,880
						Grand Total Amt =	36,64,321.00

CERTIFICATE

1) Certified that the above work done satisfactory

2) No materials issued from departmentally.

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP Bangalore - 97

Contents	Reference to last Measurement
7	8
	32,32,539.00
	3,87,904.00
1x10970 =	43,850
Amt =	36,64,321.00

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

Assistant Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

M. A. R. 57 (Rule 116)
Measurement Book

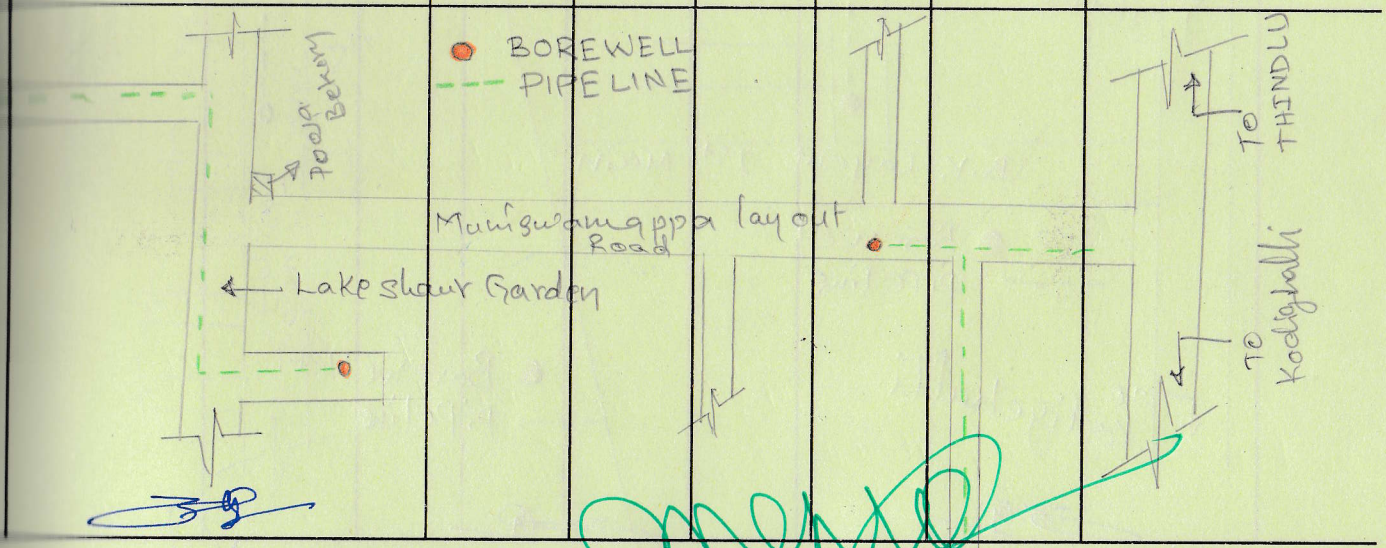
No. B

Serial No .....

Name of Work ..... From..... To..... 494080

Name of Contractor of nature of Agency .....

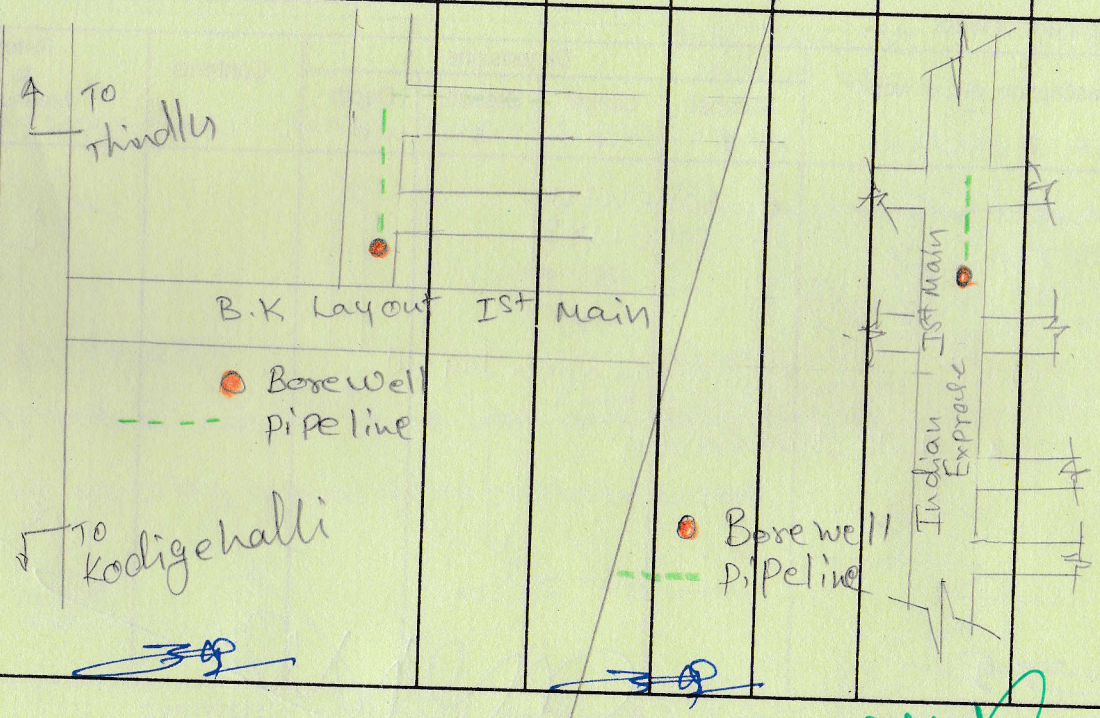
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
							

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8



Assistant Executive Engineer
Vidyaranyapura Sub Division

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agenc
Date of commencement of work .....

Date	Full description, etc, of work
1	2